

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,990,061 B2  
APPLICATION NO. : 09/871571  
DATED : January 24, 2006  
INVENTOR(S) : Luc Deneire and Patric Vandenameele

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Title Page Item (75)

On Page 1, Column 1 under Inventors, Line 2, delete "Vandenmeele" and insert -Vandenameele--, therefor.

On Title Page, Item (75)

On Page 1, Column 1 under Inventors, Line 2, delete "Leuven" and insert -Bertern--, therefor.

On Title Page Item (56)

On Page 1, Column 2 under Other Publications, Line 6, delete "Equalizaion" and insert -Equalization--, therefor.

In Column 1, Line 11, Delete "modem" and insert --modern--, therefor.

In Column 1, Line 28, Delete "Nc" and insert --N<sub>c</sub>--, therefor.

In Column 1, Line 37, Delete "modem" and insert --modern--, therefor.

In Column 2, Line 23, Delete "modem" and insert --modern--, therefor.

In Column 2, Line 55, Delete "modem" and insert --modern--, therefor.

In Column 4, Line 24, Delete "modem" and insert --modern--, therefor.

In Column 4, Line 31, Delete "modem" and insert --modern--, therefor.

In Column 6, Line 39, Delete " $X_M = [X_{0,m} \dots X_{N_c-1,m}]^T$ " and insert  $-X_m = [X_{0,m} \dots X_{N_c-1,m}]^T$ --, therefor.

In Column 7, Line 45, Delete "N<sub>HE</sub>" and insert --N<sub>he</sub>--, therefor.

In Column 7, Line 59, Delete " $r = F_{uh}^{\#} y_u = h + F_{uh}^{\#}$ " and insert  $--r = F_{uh}^{\#} y_u = h + F_{uh}^{\#}$ --, therefor.

In Column 8, Line 2, Delete " $H_u = P_{Fuh} Y_u$ " and insert  $-H_u = P_{Fuh} Y_u$ --, therefor.

In Column 8, Line 18, Delete "Cu and CI" and insert --C<sub>u</sub> and C<sub>I</sub>--, therefor.

In Column 8, Line 36, Delete " $P_s P_{Fish} = -C_u^{\#} P_{cl} C_{Ih} (F_{uh}^H F_{uh})^{-1} F_{tsh}^H$ " and insert  $--P_s P_{Fuh} = -C_u^{\#} P_{cl} C_{Ih} (F_{uh}^H F_{uh})^{-1} F_{tsh}^H$ --, therefor.

In Column 8, Line 39, Delete " $C_u^{\#} C_u F_{tsh} F_{uh}^{\#} C_u^{\#} C_u$ " and insert  $--C_u^{\#} C_u F_{uh} F_{tsh}^{\#} C_u^{\#} C_u$ --, therefor.

In Column 8, Line 59, Delete "Fuh" and insert --F<sub>uh</sub>--, therefor.

In Column 8, Line 67, Delete "Ps" and insert --P<sub>s</sub>--, therefor.

In Column 9, Line 11, After "1999." Delete "[ " and insert --]--, therefor.

In Column 9, Line 28, Delete "N<sub>hec</sub>" and insert --N<sub>he</sub>--, therefor.

In Column 10, Line 64, Delete "N<sub>he</sub>-8" and insert --N<sub>he</sub>=8--, therefor.

In Column 11, Line 23, Delete "09,505,228" and insert --09/505,228--, therefor.

In Column 13, Line 14, Delete "Fuh" and insert --F<sub>uh</sub>--, therefor.

In Column 13, Line 18, Delete "Fuh" and insert --F<sub>uh</sub>--, therefor.

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In Column 13, Line 22, Delete "Fuh and Fuh" and insert --F<sub>uh</sub> and F<sub>uh</sub>--,  
therefor.

In Column 14, line 5, Delete "09,613,181" and insert --09/613,181--, therefor.

Signed and Sealed this

Twenty-eighth Day of November, 2006

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large, looped initial "J" and a cursive "Dudas".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*